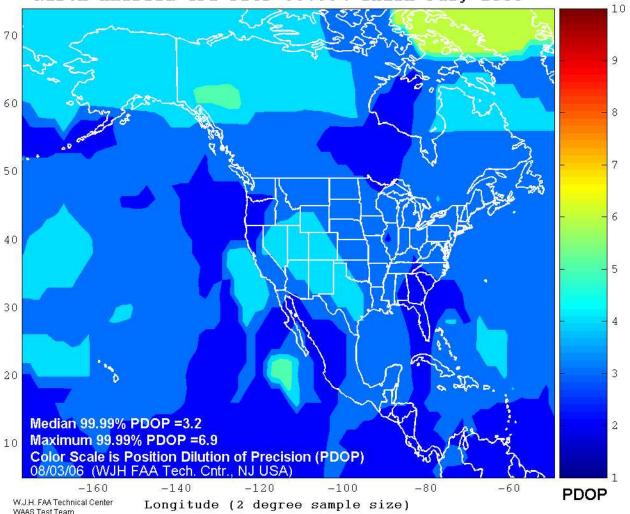
Civil Report Card On GPS Performance July 2006

Operational Performance Parameter	CY 2005	Long term	June 2006	July 2006	Short term
i diametei		term	2000	2000	term
Availability Parameters					
Average Number of satellites usable	28.93	•	27.48	28.44	^
Average number of satellites usable in primary slots	23.80 (99.17%)	•	22.48 (93.67%)	23.44 (97.66%)	^
Average availability of 6 satellites in view	TBD%		99.94%	99.95%	→
99.99% Horizontal DOP					
Area Median	2.1	^	1.9	1.6	^
Worst Site	4.1	^	7.7	4.0	^
99.99% Vertical DOP					
Area Median	3.8	1	3.3	2.9	^
Worst Site	5.6	4	14.4	6.2	^
99.99% Position DOP (PDOP)					
Area Median	4.1	^	3.7	3.2	^
Worst Site	6.0	•	16.0	6.9	^
Accuracy Parameters					
RMS Single Frequency User Range Error					
Constellation Median	1.83 *	→	1.83	1.64	→
Worst Satellite	2.41 *	→	3.85	2.19	^
95% Horizontal Error					
Area Median	3.44	1	2.67	2.46	→
Worst Site	6.04	<u> </u>	4.73	3.04	^
Availability (% <4.5m (historical 3- sigma))	99.67%	^	99.63%	99.91%	^
95% Vertical Error					
Area Median	5.83	1	4.43	4.23	→
Worst Site	7.43	^	5.21	4.63	^
Availability (% < 9m (historical 3- sigma))	99.93%	^	99.89%	99.96%	^

Key: ↑ improving ♥ worsening → no significant change * CY 2006 (1 Jan – 30 June 2006) Long Term is current month vs. prior 24 months, Short Term is current month vs. prior month Compiled from WAAS network as requested by the Defense Science Board

North America GPS PDOP 99.99% Index July 2006



WAAS Test Team 08/03/06

